



# UNITED STATES PATENT AND TRADEMARK OFFICE

A

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/759,652	01/16/2004	Chong-Kuang Chen	SIPT122253	8047

26389 7590 11/16/2005

CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC  
1420 FIFTH AVENUE  
SUITE 2800  
SEATTLE, WA 98101-2347

EXAMINER

BORKOWSKI, ROBERT

ART UNIT PAPER NUMBER

2181

DATE MAILED: 11/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/759,652	Applicant(s) CHEN ET AL.	
	Examiner Robert Borkowski	Art Unit 2181	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 16 January 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated "IPM Sentry™ Intelligent Platform Management for Modular Platforms Product Line Overview" by Pigeon Point Systems (hereinafter Pigeon Point Systems).

As to claim 1, Pigeon Point Systems discloses a computer apparatus comprising:

a mainboard having at least an electronic component mounted thereon (page 7 thru page 8 lines 1-15);

a small outline dual in-line memory module (SO-DIMM) compliant slot mounted on said mainboard and having a set of first electrical contacts coupled to said electronic component; and a hardware management add-on card mounted on said SO-DIMM compliant slot and having a set of second electrical contacts for connecting electrically with said first electrical contents (page 5 lines 13-17, Fig. 3 and 5); and

a hardware management add-on card mounted on said SO-DIMM compliant slot (page 5 lines 13-17, page 7 Fig. 5) and having a set of second electrical contacts for connecting electrically with said first electrical contacts, said hardware management

add-on card being operable so as to enable monitoring of said electronic component (page 7 last paragraph, page 8 lines 1-15).

As to claim 2, Pigeon Point Systems discloses wherein said hardware management add-on card has a pin configuration that complies with that of a SO-DIMM specification (page 5 lines 13-17, Fig. 3).

As to claim 3, Pigeon Point Systems discloses wherein said hardware management add-on card is further operable so as to enable control of said electronic component (page 8 lines 1-15).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over "IPM Sentry™ Intelligent Platform Management for Modular Platforms Product Line Overview" by Pigeon Point Systems (hereinafter Pigeon Point Systems) in view of Angelo et al. (U.S. Patent No. 6,463,495).

As to claim 4, Pigeon Point Systems discloses wherein said hardware management add-on card is an Intelligent Platform Management Interface (IPMI) compatible server management add-on card (page 5 lines 13-17, page 7 thru 8, Fig. 5).

Pigeon Point Systems does not disclose wherein said mainboard is a server mainboard.

Angelo et al. discloses wherein said mainboard is a server mainboard (column 2 line 12 thru column 3 line 11).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Pigeon Point Systems by the teaching of Angelo et al. because including a server mainboard would allow the IPMI interface to be accessed not only by management software but also accessed by third party emergency management add-in cards and even other IPMI-enabled servers (column 2 lines 57-66 of Angelo et al.).

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent No. # 6,584,588 B1 to Pawate et al. discloses the DSP/memory module placed in standard DIMM main memory socket.

U.S. Patent No. # 6,464,514 B1 to Tsai et al. discloses the memory socket

SO-DIMM connector which allows the daughter board to be mounted to the motherboard.

U.S. Patent Application No. # US2004/0207440 A1 to Robertson et al. discloses an external IPMI implemented in the form of external to the system and connected by cable Baseboard Manageability Controller (BMC),

U.S. Patent No. # 6,381,622 B1 to Harari et al. discloses a mother/daughter interface connectable to the host system via a standard interface that provides flexibility and system compatibility, economy and convenience.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Borkowski whose telephone number is 571-272-8626. The examiner can normally be reached on Monday - Friday 8:30AM-5:00PM.

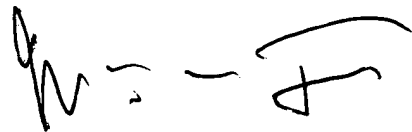
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 571-272-4083. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/759,652  
Art Unit: 2181

Page 6

Robert Borkowski  
Art Unit 2181  
November 3, 2005

A handwritten signature in black ink, appearing to read "W. M. Treat". The signature is stylized with a large initial "W" and a long horizontal stroke.

**WILLIAM M. TREAT  
PRIMARY EXAMINER**